

ABSTRACT

Title: **AUTOMATED POULTRY DRESSING MACHINE**
Researchers: **DELA CRUZ, Ralph P.**
DOMINGUEZ, Alfredo M.
MARQUEZ, Redentor Voltaire V.
RELANO, Louie Paul A.
Adviser: **Engr. Emmanuel Longares**
School: **De La Salle University – Dasmariñas**
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The Automated Poultry Dressing Machine (APDM) is an automated version of the previous Modified Poultry Dressing Machine by the previous ME students of DLSU-D. The model is designed to combine the scalding and plucking processes used in dressing poultry into one machine.

The researchers used microcontroller to control the operation of the Automated Poultry Dressing Machine. The automated version is able to automatically do the scalding and plucking process. The automation will also enable the machine to have adjustable settings.

The main features of the APDM include adjustable heating temperature of 0 to 99 degrees Celsius, adjustable soaking time of 0 to 999 seconds and adjustable spindle time of 0 to 999 seconds. The APDM also has a repeat process button and emergency stop button for ease of operation and safety.

The APDM has an LCD display for displaying the current temperature and current status of operation of the machine.